Order Now! "The Wuhan Cover-Up" by RFK Jr.!

01/03/24 • COVID • BIG PHARMA › NEWS

Aluminum Adjuvants Used in Some COVID Vaccines May Increase Risk of Serious Respiratory Disease

A COVID-19 vaccine ingredient may improve the product's effectiveness against a single targeted virus strain but could raise the risk of serious respiratory illness after exposure to new virus strains, according to a preprint study.

By Angelo DePalma, Ph.D.

16

13
26.9815
577.5
1.61
+3
+1
Al
Aluminium
[Ne] 3s² 4p¹
VID-19
ONAVIRUS
ACCINE
COVID-1
CORONAVIRUS
VACCINE
VID-19
ONAVIRUS
ACCINE

Miss a day, miss a lot. *Subscribe to The Defender's Top News of the Day.* ***It's free.***

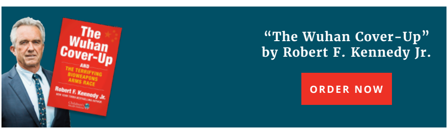
Alum, an aluminum-based adjuvant or immune-enhancer used in many vaccines — including inactivated-virus COVID-19 vaccines — helps protect against the targeted (homologous) virus strain.

However, alum may raise infection risk from new (heterologous) virus strains, referred to as "breakthrough" infections, according to a preprint study published on Research Square.

Of the 13.5 billion COVID-19 vaccine doses administered globally, 5 billion used inactivated coronavirus as their active ingredient. Unlike the Pfizer and Moderna vaccines, inactivated-virus COVID-19 vaccines do not use mRNA. Instead, they use killed or weakened viruses to bring about the immune response.

Examples of virus-inactivated COVID-19 vaccines include China's CoronaVac product, which was distributed in 40 countries, and the Indian COVAXIN product.

Alum also increases the risk for vaccine-associated enhanced respiratory disease (VAERD), a potentially life-threatening complication, after infection with a new strain. However, this effect disappears when alum is replaced by a different adjuvant, according to the study.


"The Wuhan Cover-Up"
by Robert F. Kennedy Jr.
ORDER NOW

Researchers exposed vaccinated mice to two different virus strains

Researchers led by Mark Heise, Ph.D., an immunologist at the University of North Carolina, used laboratory mice to compare the effectiveness of an inactivated, alum-containing SARS-CoV-2 vaccine (iCoV2) against two coronaviruses: the strain for which the vaccine was designed, known as the homologous strain, and a previously unencountered ("heterologous") coronavirus.

The test animals were bred specifically for susceptibility to coronavirus-induced lung disease.

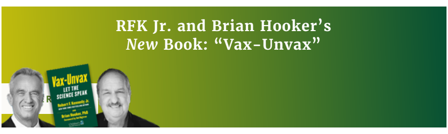
The alum-containing vaccine protected against homologous (i.e., same virus) challenges with no apparent ill effects.

But when the mice were exposed to a coronavirus that the vaccine was not designed to protect against, they developed classic symptoms of VAERD. The symptoms included delayed coronavirus clearance and decreased lung function.

This effect, which persisted for at least 10 months, appears to be related to the adjuvant because when alum was replaced with Ribi — an unapproved, research-only adjuvant — mice cleared the virus faster and did not develop VAERD.

Alum's effect on VAERD was partially reduced by re-immunizing the animals with a Ribi-based adjuvant vaccine.

Ribi adjuvants are emulsions of salt water, a detergent, two bacterial products and the approved adjuvant squalene. Ribi interacts with immune cells to enhance the release of cytokines (immune molecules) and antigen processing.


RFK Jr. and Brian Hooker's
New Book: "Vax-Unvax"

COVID vaccine-induced VAEDS detected by summer 2020

VAERD is a type of vaccine-associated enhanced disease (VAED) that affects the lower respiratory tract, primarily the lungs. The letter "E" in VAERD and VAED refers to "enhanced" — or atypical cases of a viral disease after vaccination against it.

A 2021 analysis recognized VAED as "a serious barrier to attaining successful virus vaccines."

Post-vaccination VAERD and related "enhancements" of both infection and respiratory complications have been known since at least the 1960s. Heise cited three examples from prior vaccination campaigns.

In one example, large numbers of breakthrough pediatric measles cases occurred years after vaccination. These were "atypical" in that the children had all measles symptoms, including rash, but the measles virus could not be isolated from them.

In the second example, infants who received the respiratory syncytial virus (RSV) vaccine were later infected by RSV and developed VAERD. Both of these studies were from the 1960s.

The third case, from 2020, involved severe dengue disease outbreaks in dengue-vaccinated children who had previously taken a dengue vaccine.

COVID-19 vaccination-induced VAEDS was already recognized as a complication by the summer of 2020, while the vaccines were still under evaluation. However, a later paper claimed the immunologic changes signifying VAERD were "associated with antiviral protection without disease enhancement" following mRNA-based vaccination.

That is because mRNA COVID-19 vaccines do not use conventional adjuvants. Instead, they rely on "self-adjuventing" from the included genes, their protein expression products or the delivery components (e.g., lipids or fats that carry mRNA into cells).

The immunogenicity of Pfizer's BNT162b2 mRNA COVID-19 vaccine, for example, results from immune recognition of modified mRNA, the adjuvant properties of lipid nanoparticles and mostly unidentified gene and protein products left over from the vaccine manufacturing process.

Your support helps fund this work, and CHD's related advocacy, education and scientific research.

DONATE NOW

Aluminum associated with many ill effects

Adjuvants are chemical irritants that prime the immune system to respond strongly and durably to antigens in vaccines.

Compared with "unadjuvanted" vaccines, vaccines containing an adjuvant are more powerful (thus reducing required doses), enable more rapid immune responses, protect against more antigens and variants, recruit a broader array of immune responses and induce otherwise inaccessible T-cell immune responses.

Although early vaccines — for example, a rabies product used since 1885 and a typhoid vaccine introduced in 1911 — contained irritants that functioned as adjuvants, the formal use of adjuvants as additives did not begin until the 1920s.

Alum, an aluminum-based adjuvant discovered in 1920, has been a mainstay ingredient in vaccines for a century.

Live-attenuated vaccines, such as rotavirus, smallpox and chickenpox, and inactivated-virus vaccines, such as hepatitis A, flu and polio, contain whole viruses, virus fragments and many undefined substances that act as adjuvants.

However, the inactivated-virus COVID-19 vaccines use highly purified antigens so they require extra help to be effective.

That is why alum adjuvants are used in vaccines like hepatitis A, hepatitis B, diphtheria, tetanus, Haemophilus influenzae and pneumococcal disease but not in live viral vaccines, such as measles, mumps, rubella, varicella and rotavirus.

Aluminum, the main ingredient in alum, is associated with many ill effects including injection site inflammation, endocrine disruption, and damage to the digested, cardiovascular and pulmonary systems.

No discussion of the aluminum-containing vaccines

Although mouse study results often do not apply to humans, the authors noted the clinical and immunologic similarities between vaccine-induced illness in mice and VAERD in people.

Both involve type 2 inflammation and the infiltration of immune system cells into the lungs.

Heise's mouse model was engineered for susceptibility to strong type 2

Donate Now

You make the difference.

Latest News

CHD Asks Appeals Court to Allow Lawsuit Challenging FDA's Authorization of COVID Shots for Kids to Move Forward

FDA Violated Agency Guidelines by Promoting Off-Label Use of COVID Shots to Treat Long COVID

240,000 'Toxic' Plastic Particles Found in Average Liter of Bottled Water

MORE NEWS

Latest Views

Defender
In-Depth
Watch: 'Mothers Have to Resist': Scientist Warns Against RSV Shots for Newborns

Lab-Grown Fake 'Chicken' — With a Side of Heavy Metals and Rodent DNA?

U.S. Failure to Restrict BPA Chemicals Leaves Americans Exposed to Levels Hundreds of Thousands of Times Higher Than 'Safe'

MORE VIEWS

Get FREE News & Updates!

First Name..

Last Name..

Email..

SIGN UP

Get Text Alerts

Sign up for breaking news from The Defender.

Currently only eligible for numbers in the U.S. and Canada.

1234567890

Phone

REQUIRED. Phone number must be in a standard 10-digit format: 1234567890 or 123-456-7890

CONTINUE

inflammatory responses, which likely increased their reported immune effects. Mouse models are standard in studies on cancer, HIV infection heart failure and other conditions.

Heise et al. reported that similar vaccine-induced conditions occur in other species and in mice not specifically bred to develop VAERD. Moreover many humans, through either genetics or coronavirus exposure, have developed similar susceptibility.

Because vaccine-induced VAERD occurs after infection with a previously unencountered virus the authors were concerned with novel variants crossing from wild animals to humans, specifically mentioning bats, deer, mink and the "re-emergence of existing SARS-CoV-2 variants from zoonotic [wild animal] reservoirs."

Yet no evidence links wild animals to COVID-19-causing coronaviruses in the first place.

Because Heise's study was undertaken to explore connections between alum and VAERD, the absence of any discussion of the aluminum-containing vaccines was surprising. One might assume that each vial or dose contains the same quantities of aluminum but the actual concentrations may vary significantly.

A 2021 study on the aluminum content of 13 common childhood vaccines found that only three contained quantities of alum indicated by the manufacturer. Six had (statistically) significantly more alum and four had less.

Subscribe to The Defender – It's Free!

First Name.. Last Name.. Email.. SIGN UP

SUGGEST A CORRECTION

Angelo DePalma, Ph.D.

Angelo DePalma, Ph.D., is a science reporter/editor for The Defender.

Sign up for free news and updates from Children's Health Defense. CHD focuses on legal strategies to defend the health of our children and obtain justice for those injured. We can't do it without your support.

Republishing Guidelines

Children's Health Defense Comment Policy

We welcome relevant and respectful comments. Off-topic comments may be removed.

Please read our Comment Policy before commenting.

Got it

16 Comments 1 Login ▾

G Join the discussion…

LOG IN WITH OR SIGN UP WITH DISQUS ?

Name

♡ 2 • Share Best Newest Oldest

sherry715
7 days ago

The bottom line is there shouldn't be any aluminum in any vaccine! Did you ever wonder why so many people have Alzheimer's? Maybe it's because they've been burdening their bodies with vaccines which contain aluminum adjuvants! Small amounts of aluminum are added to some vaccines to help the body build stronger immunity against the germ or virus in the vaccine. Aluminum is a neurotoxicant which contributes to cognitive dysfunction which contributes to Alzheimer's disease. Aluminum can enter and be deposited into the brain from either systemic circulation or the site of absorption. I think I'll pass on any future vaccines, thank you very much!!

👍 12 👎 0 Reply • Share ›

> **Jennifo** → sherry715
> 6 days ago
>
> Exactly. You can detox from these metals and not just once will do. I know my super intelligent father has had this happen. Dementia & Parkinsons also to name a few.
>
> 👍 2 👎 0 Reply • Share ›
>
> **Ektor** → sherry715
> 6 days ago
>
> Maybe there shouldn't be any vaccines, period.
>
> 👍 1 👎 0 Reply • Share ›
>
> **Hanne Koplev** → sherry715
> 4 days ago
>
> Please it is not small amounts of aluminum that are added to some vaccines to help the body build stronger immunity against the germ or virus in the vaccine.
> (quote): "From these animal studies, a tolerable weekly intake (TWI) of aluminium in humans has been defined by the European Food Safety Authority (EFSA): 1 mg Al/kg bw/week........................
> The overall bioavailability of ingested aluminium is low, with approximately 0.3% being absorbed from water and 0.1% from food." (end of quote). This means that 0,5 mg aluminium, as ex. the amount of aluminium in the Gardasil 9 vaccine, is the same as being exposed to 500 mg Aluminium at one time through food. This exceeds by far the tolerable weekly intake as been defined by the European Food Safety Authority (EFSA): 1 mg Al/kg bw/week.
>
> 👍 0 👎 0 Reply • Share ›
>
> **brbg** → sherry715
> 6 days ago
>
> Not to mention the aluminum antiperspirants we've been slathering on ourselves all these years, or the aluminum pots and pans we've been cooking in for at least 2 generations.
>
> 👍 0 👎 0 Reply • Share ›
>
> > **sherry715** → brbg
> > 3 days ago
> >
> > I stopped using anti-perspirants almost two years ago. I use organic coconut oil. It works better and longer, and is safer.
> >
> > 👍 0 👎 0 Reply • Share ›

Darby O'Gill
7 days ago

Those responsible for injecting millions with these damaging vaccines will be held accountable......by Almighty God.

👍 6 👎 0 Reply • Share ›

holisticpoet
7 days ago

Anyone who is properly educated would never take any jab. I won't even drink any municipal water as it is apparent that they are trying to eliminate as many people as they can.

👍 3 👎 0 Reply • Share ›

> **Jennifo** → holisticpoet
> 6 days ago
>
> Agreed. And don't fall for 'it's a restaurant, they have to filter their water'. I got crypto twice in the 90s from Milwaukee water. You never forget that experience! :)
>
> 👍 0 👎 0 Reply • Share ›

Rob DF
7 days ago

Injecting aluminum directly into your bloodstream. Sounds like a great idea, sign me on. Also "Adjuvants are chemical irritants that prime the immune system to respond strongly and durably to antigens in vaccines." Do you really need to be that educated to question the entire concept of directly injecting any type of "chemical irritant" into your body?

👍 5 👎 2 Reply • Share ›

> **Jennifo** → Rob DF
> 6 days ago
>
> Apparently common sense has escaped most of the population because even those awakening to the scam still are having their kids get their 'routine' shots.
>
> Our bodies 'react' to a foreign invader (shots) with fevers to fight off the invaders. They are not our 'friends' to develop immunity (from any injected invader).
>
> This includes allergy shots. Unbeknownst to me, I was getting routine allergy shots to 'help' my reactions to a number of things. One day it hit me that I was actually creating more immunity issues because of the adjuvants in those shots. What an idiot I was. It's taken 10 plus years of building up my immunity to a healthy level.
>
> 👍 2 👎 0 Reply • Share ›
>
> > **Hanne Koplev** → Jennifo
> > 4 days ago edited
> >
> > ALK (503) Dermatophagoides pteronyssinus injection preparation against dust mites allergy contains Aluminiumhydroxid (Alutard SQ).
> >
> > 👍 0 👎 0 Reply • Share ›

Ektor
6 days ago

Hey, lets make a crappy vaccine that does next to nothing as far as preventing illness and add a bunch of toxic ingredients and then get millions of parents to inject it into their children without a second thought. Accomplished over the last 5 decades.

👍 1 👎 0 Reply • Share ›

Hanne Koplev
4 days ago

Inactivated vaccines often contains aluminium adjuvant.
Please note, what prof. Peter Aaby and Prof. Stabell Benn writes about inactivated vaccines, it seems like these vaccines have a negative impact on the immunrespons.
https://pubmed.ncbi.nlm.nih...
https://sciencenews.dk/en/v...

👍 0 👎 0 Reply • Share ›

Hanne Koplev
4 days ago

Please note this:
https://www.who.int/groups/...
(quote): "The FDA analysis indicates that the body burden of aluminium following injections of aluminium-containing vaccines never exceeds safe US regulatory thresholds based on orally ingested aluminium even for low birth-weight infants" (end of quote).
https://www.videncenterfora...
(quote): "From these animal studies, a tolerable weekly intake (TWI) of aluminium in humans has been defined by the European Food Safety Authority (EFSA): 1 mg Al/kg bw/week........................
The overall bioavailability of ingested aluminium is low, with approximately 0.3% being

Children's Health Defense

Children's Health Defense® is a 501(c)(3) non-profit organization. Our mission is to end childhood health epidemics by working aggressively to eliminate harmful exposures, hold those responsible accountable and establish safeguards to prevent future harm. We fight corruption, mass surveillance and censorship that put profits before people as well as advocate for worldwide rights to health freedom and bodily autonomy.

THE DEFENDER IS AVAILABLE IN:

ENGLISH SPANISH PORTUGUESE GERMAN ITALIAN FRENCH

TAKE ACTION

DONATE FREE SIGN-UP BECOME A MEMBER

Donations are tax deductible to the full extent of the law. EIN #26-0388604

© 2016 - 2024 Children's Health Defense® • All Rights Reserved • Sitemap